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Patent Abstracts of Japan

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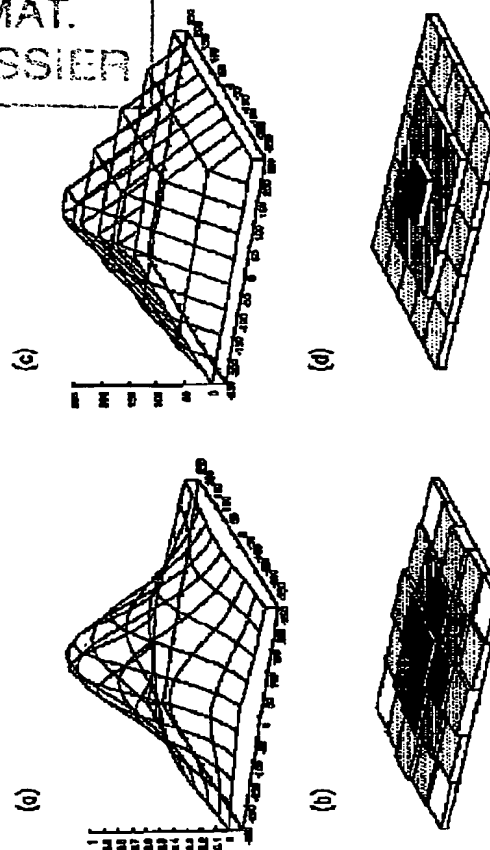
APPLICATION DATE : 31-08-99
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APPLICANT : SYNTHESIS CORP;

INVENTOR : NIWA AKIMASA;

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TITLE : PICTURE LUMINANCE CORRECTION
METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the calculation volume in a multi-scale retinal method and to considerably shorten the time required for processing.

SOLUTION: Convolution operation of picture information of a pixel of interest in an original picture and peripheral functions based on picture information of peripheral pixels of the pixel of interest is performed for plural scales to correct the luminance of the pixel of interest. When this multi-scale retinal method is performed, peripheral functions of a simplified model are so used that picture information of peripheral pixels may be stepwise changed along two orthogonal axes.

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